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Sheet 1 of 10 FIGs. 1&2A

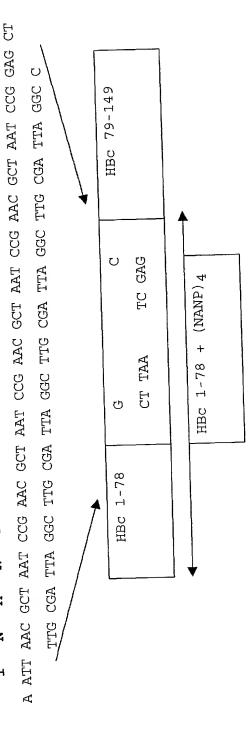
HindIII TTCACACAGGAAACAGAATTCCCGGGGATCCGTCGACCTGCAGCCAAGCTT SEQ ID NO.:285 Н FIG. pKK223-3

-- AAGCTT TTCACA<u>TAAGGAGGAAAAAAccatgg</u>GATCCG---Ncol pKK223-3N

SEQ ID NO.:286

FIG. 2A

Д z ď Z Д z ď z Д z ď z Д z Cloning Step 1 ď Z

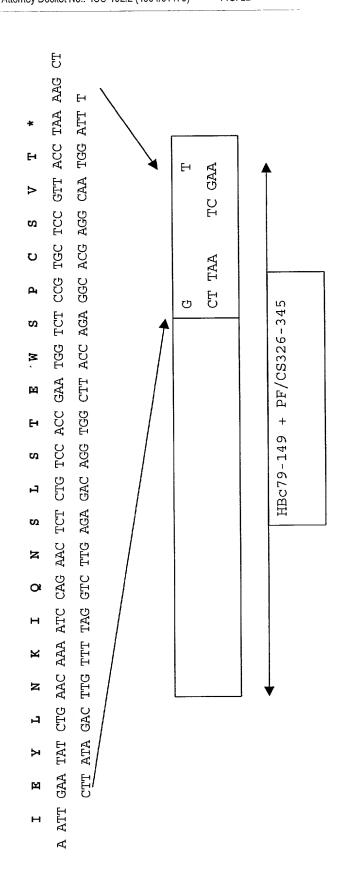


Sheet 2 of 10 FIG. 2B

FIG. 2B

N

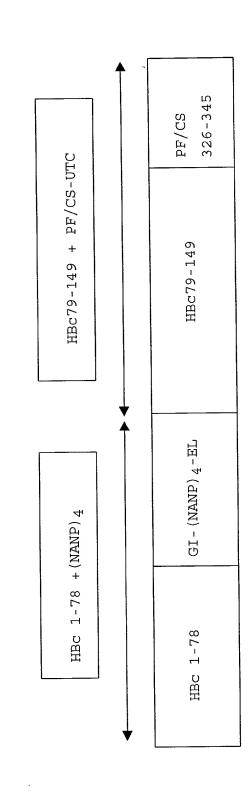
Cloning Step



Sheet 3 of 10 FIG. 2C

FIG. 2C

Cloning Step 3



Sheet 4 of 10 FIGs. 3&4

FIG. 3

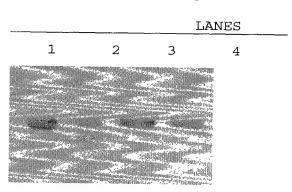
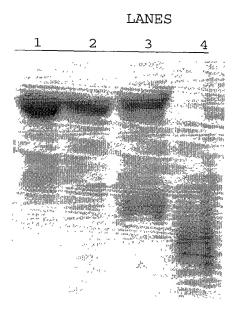
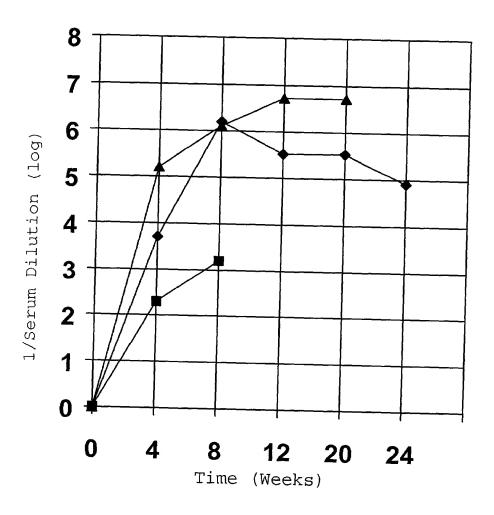


FIG. 4



The Hall will be the first my way to get the time that the first the first that

FIG. 5



Sheet 6 of 10 FIG. 6

FIG. 6

## Scheme 1

$$I$$

$$sm-HBc \longrightarrow NH_2 + N-O-C \longrightarrow CH_2-N$$

$$pH 7.5 \longrightarrow sm-HBc \longrightarrow N-C \longrightarrow CH_2-N$$

: Immunogenic HBc Chimer Parrticles Having Enhanced Stability (Applicant: Birkett)

Serial No.: New Application, Filed: 8/15/01 Attorney Docket No.: ICC-102.2 (4564/81175) Sheet 7 of 10 FIG. 7A

## FIG. 7A

mylfhlclvf acvpcptvqa sklclgwlwd Ground Squirrel

\_

ldtasalyre ldtasalyre ldtasalyre mdidpykefg atvellsflp sdffpsvrdl sdffpsvrdl sdffpsvrdl atvellsflp atvellsflp mdidpykefg mdidpykefg

ldtaaalyrd vdtatalyee vdtaaalyee

ldffpdlnal

ssyqllnflp

Ground Squirrel

Woodchuck

HBC ADYW

HBc ADW2

HBC AYW

ldffpdlnal

sdffpsvrdl

atvellsflp ssyqllnflp

mdidpykefg mdidpykefg mdidpykefg

4

wvgnnledpa wvgtnledpa wmssnitseq wvgvnledpa wvgnnlqdpa wmsentteev cwgelmtlat cwgdlmtlat cwdeltklia cweeltrlit cwgelmtlat cwgelmtlat hhtairgalv hhtairdalv hhtalrqail hhtalrqail hhtalrqail hhtalrgail alespehcsp eltgrehcsp alespehcsp alespehcsp alespehcsp eltgrehcsp Ground Squirrel Woodchuck HBC ADYW HBC ADW2 AYWHBc ADW HBC

## FIG.7B

	81			
HBc AYW	srdlvvsyvn	tnmglkfrql	srdlvvsyvn tnmglkfrql lwfhiscltf gretvieylv	gretvieylv
HBc ADW	srdlvvnyvn	tnmglkirql	srdlvvnyvn tnmglkirgl lwfhiscltf gretvleylv	gretvleylv
HBc ADW2	srdlvvnyvn	tnvglkirql	srdlvvnyvn tnvglkirgl lwfhisciti gretvieyiv	gretvieyiv
HBc ADYW	srdlvvsyvn	tnvglkfrql	srdlvvsyvn tnvglkfrql lwfhisciti gretvleylv	gretvieyiv
Woodchuck	vrtiivnhvn	dtwglkvrqs	vrtijvnhvn dtwglkvrgs lwfhlsciti gqntvgeilv	gqhtvqerıv
Ground Squirrel	rriivdhvnn	twglkvrqtl	rriivdhvnn twglkvrqtl wihlscitig qntvqeilvs	ducaderias

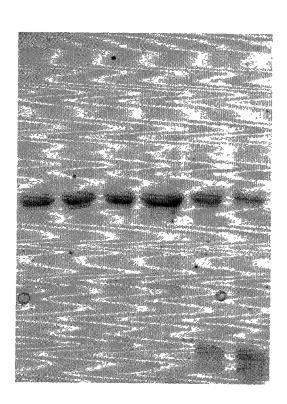
sfqvwirtpp ayrppnapil stlpettvvr rrgrsprrrt	sfgvwirtpp ayrppnapil stlpettvvr rrdrgrsprr	sfgvwirtpp ayrppnapil stlpettvvr rrdrgrsprr	sfqvwirtpp ayrppnapil stlpettvvr rrgrsprrrt	sfqvwirtpa pyrppnapil stlpehtvir rrggarasrs	family remaine thehtwire radgraatsp
sfqvwirtpp	sfgvwirtpp	sfgvwirtpp	sfqvwirtpp	sfqvwirtpa	7 C C C C C C C C C C C C C C C C C C C
NYZ JAH	HBC ADW	HBc ADW2	HBC ADYW	Moodchuck	

	sdc	resqc	resqc	sqc	sqc	dsbasnc
	prrrsqsre	dsbrrrrsds	dsbrrrrsds	prrrrsqsre	rrsdsbrrr	rrrtpsprrr rsqsprrrrs
161	psprrrrsds I	rtpsprrrrs	rtpsprrrps	bsbrrrrdsd	prrrtpsprr	rrrtpsprrr
H	HBc AYW	HBc ADW	HBc ADW2	HBc ADYW	Woodchuck	Ground Squirrel

Sheet 9 of 10 FIG. 8

FIG. 8

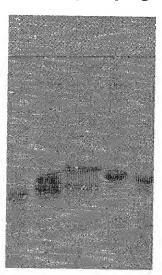
<u>V12.Pf1</u>				V12.Pf1(C17A)C150			
_			DAY	s			
	0	7	14	0	7	14	_



Sheet 10 of 10 FIG. 9

FIG. 9

## 1 2 3 4 5



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